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NEW MEASURING INSTRUMENTS FOR SOVIET PLANTS, POWER INSTALLATIONS, AND SCHOOLS

DEVELOP MAGNETOSCOFE -- Moscow, Vestnik Mashinostroyeniya, Jul 52

Farts of antifriction bearings are constantly being magnetized during manufacture, owing to their exposure to electromagnetic holders, magnetic defectoscopes, etc. Before being assembled, these parts are demagnetized and the assembled bearings are tested for demagnetization.

A reliable and efficient magnetoscope has been developed for checking the demagnetization of steel articles. This instrument consists of a transformer and indicator with two iron tips connected to a magnetic circuit. The article to be tested (roller, ring, assembled bearing, etc.) is placed over the gap between the two iron tips in such a manner that it closes the circuit flowing through them and the magnetic lead of the censitive element. Magnetism in the tested article is indicated by a difference in the quantities of current flowing through the primary coil and the secondary (measuring) coil. -- Professor R. I. Yanus and Engineer S. V. Shtengel meyer

SHIP ELECTRICAL INSTRUMENTS TO KUYBYSHEV GES PROJECT -- Moscow, Vechernyaya Moskva, 19 Jul 52

The Moscow First Electrical Repair Plant has shipped a consignment of electrical instruments to the Kuybyshev GES project ahead of schedule.

APPARATUS FOR TESTING ELECTRIC METERS -- Kishinev, Sovetskaya Moldaviya, 14 Aug 52

The testing laboratory of the Kishinev department of Energosbyt (Administration of Electric Power Sales) has built a complex machine for testing industrial electric meters. Prior to this, industrial enterprises of Kishinev using power installations had to have their three-phase meters tested in Odessa or in Chernovtsy.

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INSTRUMENTS FOR SCHOOLS -- Moscow, Vechernyaya Moskva, 1 Aug 52

The Moscow Fizelektropribor Plant, which equips schools with more than 60 types of manual and electrical instruments and devices, has developed improved models of dynamos, voltmeters, and ammeters. However, the plant's production has been hampered by a shortage of winding wire, enamels, sheet iron, and insulating material.

BUILD HIGH-PRECISION INSTRUMENTS -- Moscow, Moskovskiy Komsomolets, 12 Aug 52

The Five-Year Plan for the restoration and development of the USSR national economy for 1946-1950 called for automatization and mechanization in the fields of ferrous and nonserrous metallurgy, machine building, chemistry, ruber, food, and other industries. Electric power stations, power systems, and railroad transportation, and the various branches of industry and municipal services have been equipped with automatic devices.

Today, laboratories of scientific research institutes and higher educational institutions are equipped with the most efficient and complicated electrical and radio engineering instruments, such as cathode oscillographs, sound-recording devices, precision electrical measuring instruments, X-ray apparatus, hundreds of types of radio tubes, electronic microscopes, and many others.

USSR plants are producing instruments of every possible size micrometers and indicators, projectors and optical indicators, and high-precision instruments with a measuring accuracy of one micron.

The Moscow Kalibr Plant builds precision-measuring instruments of dozens of type designations, which are widely used by the machine-building industry.

AUTOMATIC SCALES -- Riga, Sovetskaya Latviya, 6 Aug 52

The Vinnitsa Scales Repair Plant is series-producing automatic scales with a load capacity of 200 kilograms.

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